

300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

Refer to the exhibit. Approximately 4000 oil platforms, each with 400 sensors, are spread in the Gulf of Mexico and all of their data must come together into one dashboard. Which general architecture should be selected to connect them?

- A. 4-tier: sensor ?edge device (Intel Atom CPU) ?fog device (Intel Xeon CPU) ?cloud
- B. 5-tier: intelligent sensor?edge device (Intel Atom CPU) ?fog device (Intel Xeon CPU) ?edge data center (Intel Xeon CPU)
- C. 2-tier: intelligent sensor ?cloud
- D. 3-tier: sensor ?edge device (Intel Atom CPU) ?cloud

Correct Answer: B

Reference: <https://www.itu.int/en/ITU-D/Regional-Presence/Africa/Documents/Internet%20of%20Things%20-%20Cisco%27s%20Vision%20and%20Approach.pdf>

QUESTION 2

Which computer security concept is violated when a web server is written that uses the "root" account for all interactions with a Linux system?

- A. principle of least privilege
- B. PermitRootLogin

- C. certificate-based authentication
- D. RBAC

Correct Answer: A

QUESTION 3

As part of an IoT project, an organization is developing an application that will share multiple clients using a REST API.

Based on the software development process, what are two valid technical activities that can be suggested to secure the REST API that is developed during the development of the software? (Choose two.)

- A. Respond to request failures in detail to allow users for easier troubleshooting.
- B. Implement HTTP whitelisting to only methods that are allowed.
- C. Implement and review audit logs for security-related events.
- D. Reject HTTP methods that are invalid with an error code 404.
- E. Implement physical firewalling and access control to the resources.

Correct Answer: BD

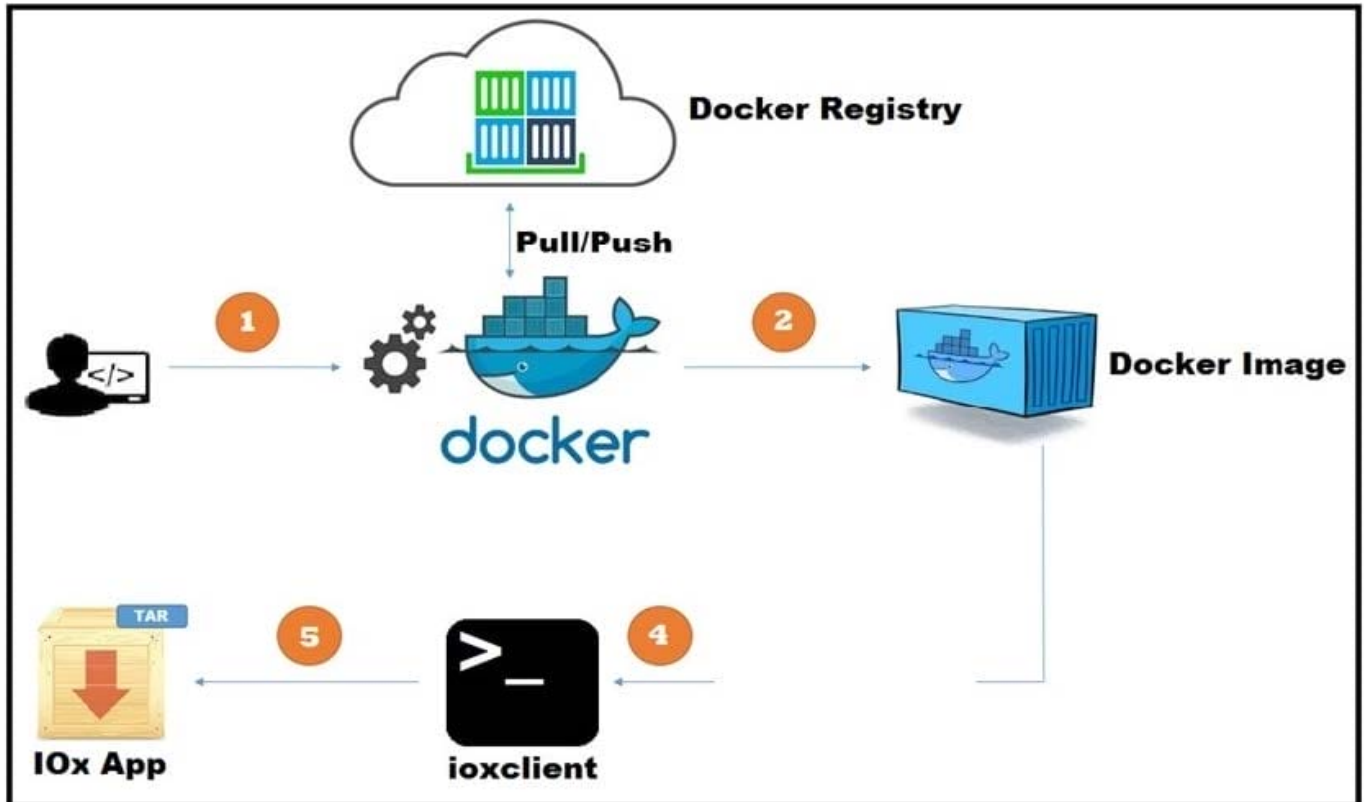
QUESTION 4

In a secure software development lifecycle process, what must be created as soon as the architecture is in place?

- A. integration plan
- B. test plan
- C. functional specification document
- D. threat modeling

Correct Answer: C

QUESTION 5



Refer to the exhibit. A new application has just been developed as a Docker container. What is the missing step for packaging the container ready for deployment in IOx?

- A. Pull/push the image to the Docker registry.
- B. Build the package.yaml files.
- C. Build the package.cert file to sign the app.
- D. Log in to device manager and load the application.

Correct Answer: B

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